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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/272,807	03/19/99	BEN-DOR	A 003829.P002

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EXAMINER

TRAN, M

ART UNIT	PAPER NUMBER
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2731

DATE MAILED:

4
08/23/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/272,807

Applicant(s)
BEN-DOR et al

Examiner
Maikhanh Tran

Group Art Unit
2731



☒ Responsive to communication(s) filed on Mar 19, 1999

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-39 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-10, 13-29, and 32-37 is/are rejected.

☒ Claim(s) 11, 12, 30, 31, 38, and 39 is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 3

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 19-21 recites the limitation "the network" in line 1. There is insufficient antecedent basis for this limitation in these claims.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-7 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chau et al (U.S. 6,026,085) further in view of Malkin et al (U.S. 6,061,650).

- As to claims 1-4 and 14, Chau et al, in fig. 2, disclose a system comprising:

* a network (Ethernet network 240) having a host (200/210/220) coupled thereto, the host executing software to generate packets for communication on the network;

* a bus (260/262/264) with a bus device (270/272/274) coupled thereto;

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* an interface (250/252/254) coupling the network to the bus, the interface and the host coordinating to tunnel bus events over the network between the host and the bus device (see col. 1, lines 36-49 and col. 7, lines 43-51).

Chau et al, however, do not clearly teach how the interface and the host coordinating to tunnel bus events over the network between the host and the bus device. Malkin et al., in col. 2, lines 61-65, show how to recreate original packets by decapsulating encapsulated packets. Therefore, it would have been obvious to ones skilled in the art at the time the invention was made to apply Malkin et al teaching in Chau et al to enhance Chau et al teaching.

- As to claim 5, in tunneling, using information included in the header to recreate original protocol transmission is standard in the art. Therefore it is inherent that Chau et al teaching encompasses the claimed limitation.

- As to claims 6-7, the claimed limitation is standard in the art.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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6. Claims 8-10, 13, 15-18, 22-29 and 32-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chau et al (U.S. 6,026,085) as applied to claim 1 above, and further in view of Klein et al (U.S. 6,085,328).

- As to claims 8-9 and 15-18, Chau et al disclose a system as discussed in claim 1 above. Chau et al, however, do not teach that the bus comprises a serial bus (USB) or a parallel bus (IEEE-1394). Klein et al, in col. 4, lines 18-31, teach that IEEE-1394 and USB bus are widely utilized as bus system in communication systems to handle a large number of different connections (USB) at a high data rate (IEEE-1394). Therefore it would have been obvious to one skilled in the art at the time the invention was made to apply the teaching of Klein et al in Chau et al to enhance the system in Chau et al.

- As to claim 10, when tunneling applied for different communications networks, it is a need for identifying packet type (data or control information) and transaction type (protocol network) in the tunneling header. Therefore it would have been obvious to one skilled in the art to apply that method in Chau et al to enhance Chau et al teaching.

- As to claims 13 and 32, since the claimed remote peripheral server insite the interface has no specific functions, it can be considered as any element inside the line server in Chau et al.

- As to claim 22, the claim is objected in the same manner as set forth in claims 1 and 17.

- As to claims 23-25, these claims are objected in the same manner as set forth in claims 22, 2, 3, and 5.

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- As to claims 26-28, these claims are objected in the same manner as set forth in claims 24, 6, 7 and 8.
- As to claim 29, the claim is objected in the same manner as set forth in claims 22 and 10.
- As to claim 33, the claim is objected in the same manner as set forth in claims 1 and 18.
- As to claims 34-35, these claims are objected in the same manner as set forth in claims 33, and 3.
- As to claims 36-37, these claims are objected in the same manner as set forth in claims 33, 7 and 18.

Allowable Subject Matter

7. Claims 11-12, 30-31 and 38-39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
8. The following is an examiner's statement of reasons for allowance:

The prior art of the record fail to teach limitations as recited in these claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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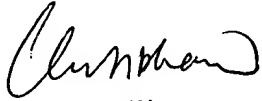
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maikhanh Tran whose telephone number is (703) 308-7911. The examiner can normally be reached on Monday-Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (703) 305-4378. The fax phone number for this Group is (703) 308-9051.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Maikhanh Tran

August 18, 2000


CHI H. PHAM
SUPERVISORY PATENT EXAMINER
GROUP 2700 8/22/00